

## SEQUENCE LISTING

&lt;110&gt; CHAIN, Benjamin

&lt;120&gt; CHIMERIC PEPTIDES AS IMMUNOGENS, ANTIBODIES THERETO, AND METHODS FOR IMMUNIZATION USING CHIMERIC PEPTIDES OR ANTIBODIES

&lt;130&gt; CHAIN8A

&lt;140&gt; NOT YET ASSIGNED

&lt;141&gt; 2000-12-08

&lt;150&gt; 60/169,687

&lt;151&gt; 1999-12-08

&lt;160&gt; 27

&lt;170&gt; PatentIn version 3.0

&lt;210&gt; 1

&lt;211&gt; 59

&lt;212&gt; PRT

&lt;213&gt; Human

&lt;400&gt; 1

Glu	Val	Lys	Met	Asp	Ala	Glu	Phe	Arg	His	Asp	Ser	Gly	Tyr	Glu	Val
1				5					10					15	

His	His	Gln	Lys	Leu	Val	Phe	Phe	Ala	Glu	Asp	Val	Gly	Ser	Asn	Lys
		20						25					30		

Gly	Ala	Ile	Ile	Gly	Leu	Met	Val	Gly	Gly	Val	Val	Ile	Ala	Thr	Val
		35					40					45			

Ile	Val	Ile	Thr	Leu	Val	Met	Leu	Lys	Lys	Lys
	50					55				

&lt;210&gt; 2

&lt;211&gt; 40

&lt;212&gt; PRT

&lt;213&gt; Human

&lt;400&gt; 2

Asp	Ala	Glu	Phe	Arg	His	Asp	Ser	Gly	Tyr	Glu	Val	His	His	Gln	Lys
1				5					10					15	

Leu	Val	Phe	Phe	Ala	Glu	Asp	Val	Gly	Ser	Asn	Lys	Gly	Ala	Ile	Ile
		20						25					30		

Gly	Leu	Met	Val	Gly	Gly	Val	Val
		35				40	

&lt;210&gt; 3

&lt;211&gt; 42

&lt;212&gt; PRT

&lt;213&gt; Human

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Xaa is L-Asp, D-Asp, or L-iso Asp

&lt;400&gt; 3

Xaa Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys  
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile  
20 25 30

Gly Leu Met Val Gly Gly Val Val Ile Ala  
35 40

<210> 4  
<211> 43  
<212> PRT  
<213> Human

&lt;400&gt; 4

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys  
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile  
20 25 30

Gly Leu Met Val Gly Gly Val Val Ile Ala Thr  
35 40

<210> 5  
<211> 40  
<212> PRT  
<213> Human

<220>  
<221> misc\_feature  
<223> Xaa is pyroglutamate

&lt;400&gt; 5

Xaa Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val  
1 5 10 15

Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu  
20 25 30

Met Val Gly Gly Val Val Ile Ala  
35 40

<210> 6  
<211> 32  
<212> PRT  
<213> Human

<220>  
<221> misc\_feature  
<223> Xaa is pyroglutamate

&lt;400&gt; 6

Xaa Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser  
1 5 10 15



<210> 12  
 <211> 22  
 <212> PRT  
 <213> Tetanus toxin bacteria

<400> 12

Lys Lys Phe Asn Asn Phe Thr Val Ser Phe Trp Leu Arg Val Pro Lys  
 1 5 10 15

Val Ser Ala Ser His Leu  
 20

<210> 13  
 <211> 15  
 <212> PRT  
 <213> Pertussis toxin bacteria

<400> 13

Tyr Met Ser Gly Leu Ala Val Arg Val His Val Ser Lys Glu Glu  
 1 5 10 15

<210> 14  
 <211> 27  
 <212> PRT  
 <213> Tetanus toxin bacteria

<400> 14

Tyr Asp Pro Asn Tyr Leu Arg Thr Asp Ser Asp Lys Asp Arg Phe Leu  
 1 5 10 15

Gln Thr Met Val Lys Leu Phe Asn Arg Ile Lys  
 20 25

<210> 15  
 <211> 24  
 <212> PRT  
 <213> Pertussis toxin bacteria

<400> 15

Gly Ala Tyr Ala Arg Cys Pro Asn Gly Thr Arg Ala Leu Thr Val Ala  
 1 5 10 15

Glu Leu Arg Gly Asn Ala Glu Leu  
 20

<210> 16  
 <211> 15  
 <212> PRT  
 <213> Measles virus

<400> 16

Leu Ser Glu Ile Lys Gly Val Ile Val His Arg Leu Glu Gly Val  
 1 5 10 15

<210> 17  
 <211> 20  
 <212> PRT  
 <213> Measles virus

<400> 17

Gly Ile Leu Glu Ser Arg Gly Ile Lys Ala Arg Ile Thr His Val Asp  
1 5 10 15

Thr Glu Ser Tyr  
20

<210> 18

<211> 17

<212> PRT

<213> Tetanus toxin bacteria

<400> 18

Trp Val Arg Asp Ile Ile Asp Asp Phe Thr Asn Glu Ser Ser Gln Lys  
1 5 10 15

Thr

<210> 19

<211> 16

<212> PRT

<213> Tetanus toxin bacteria

<400> 19

Asp Val Ser Thr Ile Val Pro Tyr Ile Gly Pro Ala Leu Asn His Val  
1 5 10 15

<210> 20

<211> 25

<212> PRT

<213> Chlamydia trachomatis

<400> 20

Ala Leu Asn Ile Trp Asp Arg Phe Asp Val Phe Cys Thr Leu Gly Ala  
1 5 10 15

Thr Thr Gly Tyr Leu Lys Glu Asn Ser  
20 25

<210> 21

<211> 23

<212> PRT

<213> Diphtheria toxin bacteria

<400> 21

Asp Ser Glu Thr Ala Asp Asn Leu Glu Lys Thr Val Ala Ala Leu Ser  
1 5 10 15

Ile Leu Pro Gly Ile Gly Cys  
20

<210> 22

<211> 39

<212> PRT

<213> Diphtheria toxin bacteria

